

LARRY SEVENKER

5/12/86  
ACFSC

Consulting Engineer

4148 LOIRE DR.  
KENNER, LA. 70065

(504) 468-1909

May 8, 1986

Mr. Jim Loose  
International Salt Company  
Salt Plant Road  
Watkins Glen, NY 14891

Dear Jim:

The MIT reports and pressure charts for the mechanical integrity testing conducted at the request of the EPA are attached. These gallery systems indicated pressure tight tests. Mr. Leon Lazarus and Ms. Maria Jung from the EPA were on site for the witness of the testing.

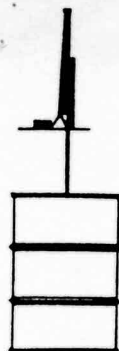
A copy of these reports should be included in the 2nd quarter 1986 report to the EPA on the monitoring of the brine field.

If you have any questions concerning these tests, please contact me. I appreciate the opportunity to assist you in the completion of this work.

Sincerely,

Larry Sevenker  
Consulting Engineer

Enclosures



**LARRY SEVENKER**

**Consulting Engineer**

**4148 LOIRE DR.  
KENNER, LA. 70065**

**(504) 468-1909**

**MECHANICAL INTEGRITY TEST  
PRESSURE TEST**

May 1, 1986

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose / Mr. Jim Edwards  
Phone: (607) 535-2721

Test Date: 5-1-86

Test Location: Well 46  
Type Test: Gallery System Test  
Number of Wells: Wells 27, 28 & 46  
Gallery Wells Tested: 3 Wells in Gallery  
Fluid in Test Well: Propane

**Pressure Recordings**

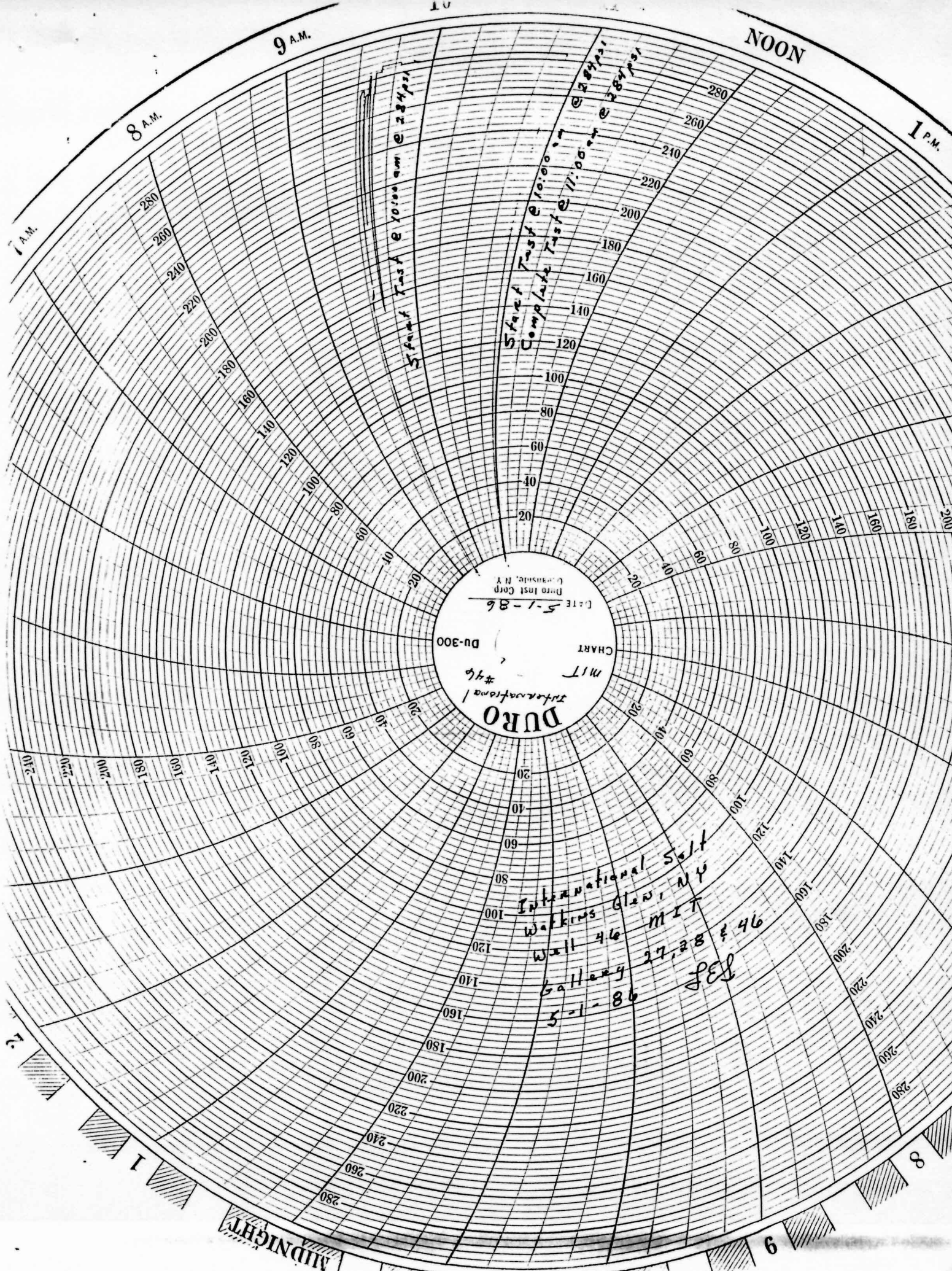
Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
9:45 AM				
10:00	260	NA	284	Connect Gauges
10:15	260	NA	284	Start Test
10:30	260	NA	284	
10:45	260	NA	284	
11:00 AM	260	NA	284	Complete Test
Change	0 psi	NA psi	0 psi	

Test Results: Well 46 was the test well in the #1 gallery  
consisting of 3 wells. The cavity system tested  
with 0 psi change during the 1 hour pressure test.

Test Conducted by:

Larry Sevenker  
Consulting Engineer

Date: 5-1-86



9 A.M.

NOON

1 P.M.

8 A.M.

7 A.M.

6

1

MIDNIGHT

9

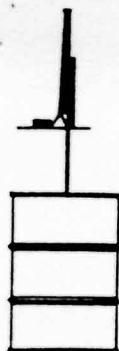
8

DURO  
International  
MIT  
#46  
CHART  
DU-300  
DATE 5-1-86  
Duro Test Corp  
Lancaster, NY

International Salt  
Watkins Glen, NY  
Wall 46 MIT  
Gallery 27, 28 & 46  
5-1-86  
JES

Start Test @ 10:00 am @ 284 psi

Start Test @ 10:00 am @ 284 psi  
Complete Test @ 11:00 am @ 284 psi



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MECHANICAL INTEGRITY TEST  
PRESSURE TEST

May 1, 1986

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose / Mr. Jim Edwards  
Phone: (607) 535-2721

Test Date: 5-1-86

Test Location: Well 45  
Type Test: Gallery System Test  
Number of Wells: Wells 30, 31 & 45  
Gallery Wells Tested: 3 Wells in Gallery  
Fluid in Test Well: Brine

Pressure Recordings

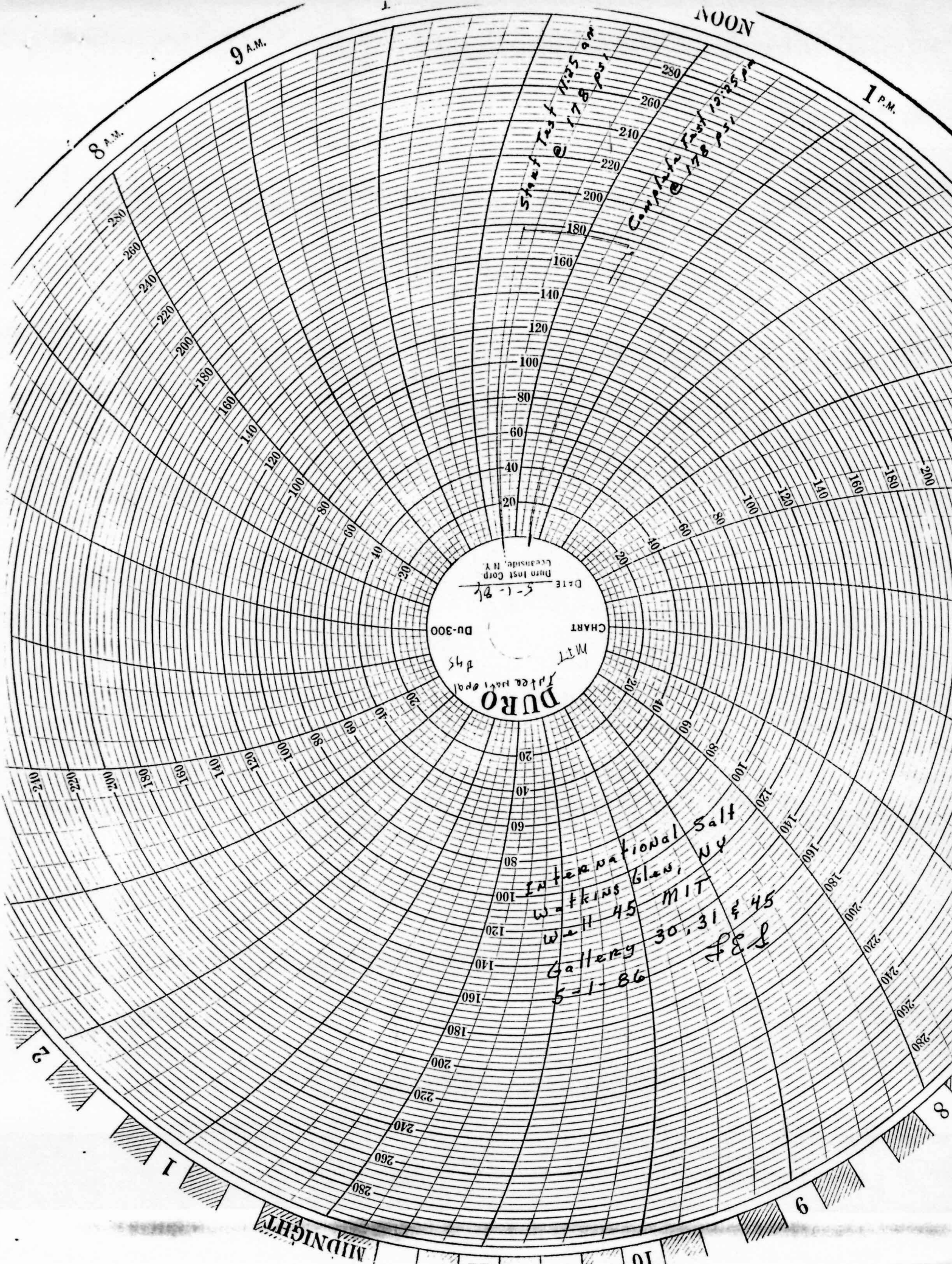
Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
11:15 AM				Connect Gauges
11:25	165	162	178	Start Test
11:40	165	162	178	
11:55	165	162	178	
12:10 PM	165	162	178	
12:25 PM	165	162	178	Complete Test
Change	0 psi	0 psi	0 psi	

Test Results: Well 45 was the test well in the #2 gallery consisting of 3 wells. The cavity system tested with 0 psi change during the 1 hour pressure test.

Test Conducted by:

Larry Sevenker  
Consulting Engineer

Date: 5-1-86



9 A.M.

8 A.M.

NOON

1 P.M.

Start Test 11:25 am  
@ 178 psi

Complete Test 12:55 pm  
@ 178 psi

DURO  
MIT  
Jutee Natl opal  
DU-300  
CHART  
Date 5-1-86  
Duro Test Corp  
Lecanville, N.Y.

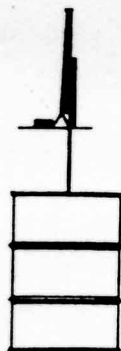
International Salt  
Watkins Glen, NY  
Wall 45 MIT  
Gallery 30, 31 & 45  
5-1-86  
F&S

MIDNIGHT

9

8

10



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MECHANICAL INTEGRITY TEST  
PRESSURE TEST

May 1, 1986

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose / Mr. Jim Edwards  
Phone: (607) 535-2721

Test Date: 5-1-86

Test Location: Well 55  
Type Test: Gallery System Test  
Number of Wells: Wells 55, 56 & 47  
Gallery Wells Tested: 3 Wells in Gallery  
Fluid in Test Well: Injection Water

Pressure Recordings

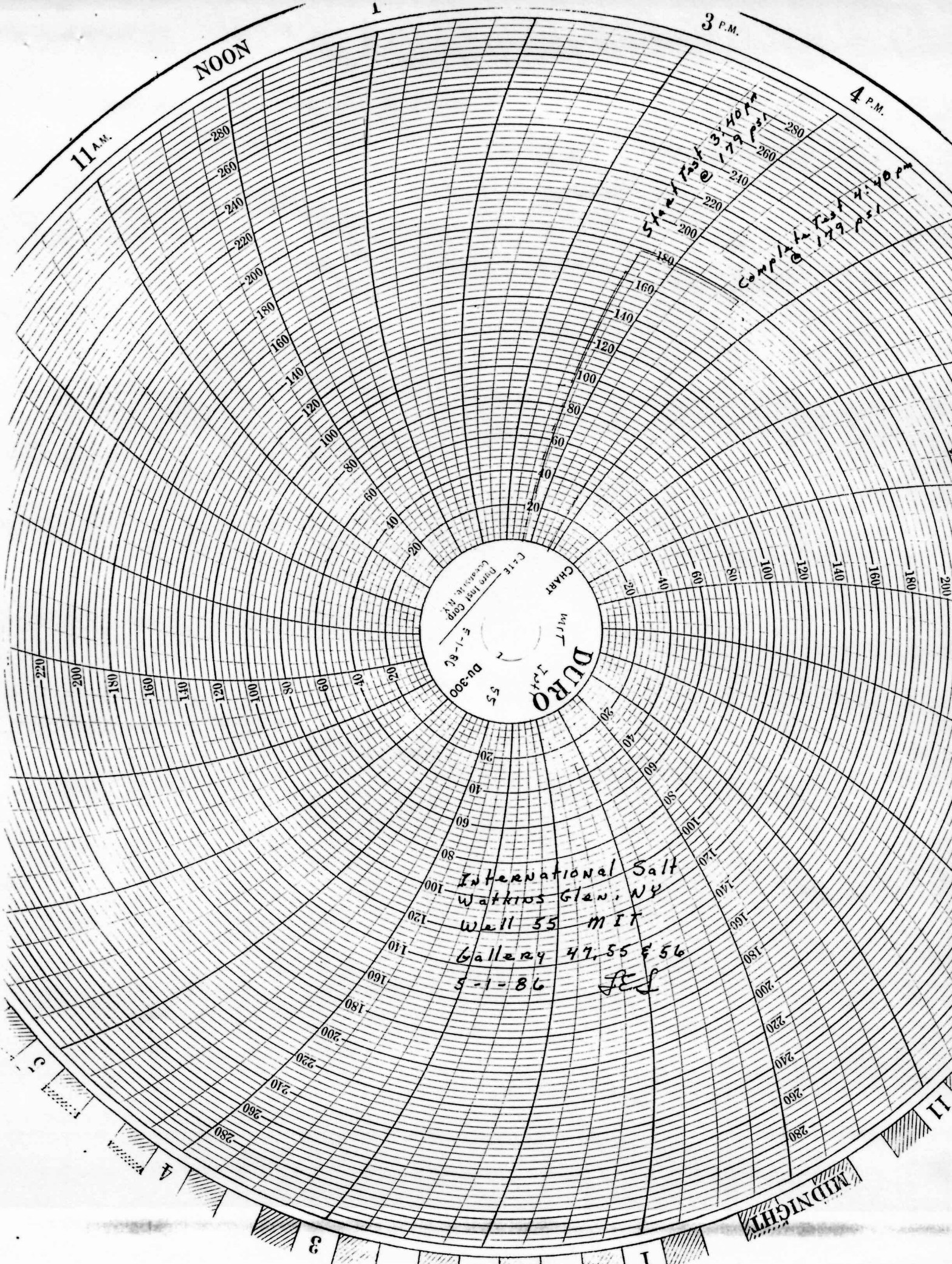
Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
3:30 PM				
3:40	165	165	179	Connect Gauges
4:00	165	165	179	Start Test
4:15	165	165	179	
4:30 PM	165	165	179	
4:40 PM	165	165	179	Complete Test
Change	0 psi	0 psi	0 psi	

Test Results: Well 55 was the test well in the #3 gallery  
consisting of 3 wells. The cavity system tested  
with 0 psi change during the 1 hour pressure test.

Test Conducted by:

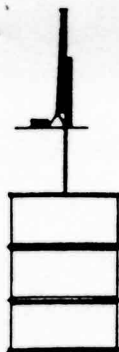
Larry Sevenker  
Consulting Engineer

Date: 5-1-86



International Salt  
Watkins Glen, NY  
Well 55 MIT  
Gallery 47, 55 & 56  
5-1-86 JES

Start test @ 3:40 PM  
179 PSI  
Complete test @ 4:40 PM  
179 PSI



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**MECHANICAL INTEGRITY TEST  
PRESSURE TEST**

May 1, 1986

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose / Mr. Jim Edwards  
Phone: (607) 535-2721

Test Date: 5-1-86

Test Location: Well 50  
Type Test: Gallery System Test  
Number of Wells: Wells 50 & 48  
Gallery Wells Tested: 2 Wells in Gallery  
Fluid in Test Well: Injection Water

**Pressure Recordings**

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
1:30 PM				Connect Gauges
1:45	135	138	142	Start Test
2:15	135	138	142	
2:30	135	138	142	
2:45	135	138	142	
3:00	135	138	142	
3:15 PM	135	138	142	Complete Test
Change	0 psi	0 psi	0 psi	

Test Results: Well 50 was the test well in the #8 gallery  
consisting of 2 wells. The cavity system tested  
with 0 psi change during the 1.5 hour pressure test.

Test Conducted by:

Larry Sevenker  
Consulting Engineer

Date: 5-1-86

1 P.M.

4 P.M.

5 P.M.

NOON

11 A.M.

Steel Test 1145 @ 142 psi

Complete Test 3:15 @ 142 psi

CHART  
Date 5-1-86  
Duro Iron Corp  
Lewistown, NY  
5-1-86  
DU-300

International Salt  
Watkins Glen, NY  
Wall 50 MIT  
Gallery 48 & 50  
5-1-86 JES

MIDNIGHT

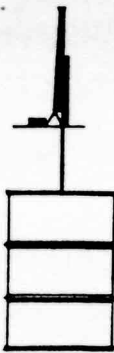
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5

7

4

3



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**Consulting Engineer**

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KENNER, LA. 70065**

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**MECHANICAL INTEGRITY TEST  
PRESSURE TEST**

**May 2, 1986**

**Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891**

**Contact: Mr. Jim Loose / Mr. Jim Edwards  
Phone: (607) 535-2721**

**Test Date: 5-2-86**

**Test Location: Well 43  
Type Test: Gallery System Test  
Number of Wells: Wells 34, 43 & 44 & P&A Well 33  
Gallery Wells Tested: 4 Wells in Gallery  
Fluid in Test Well: Brine**

**Pressure Recordings**

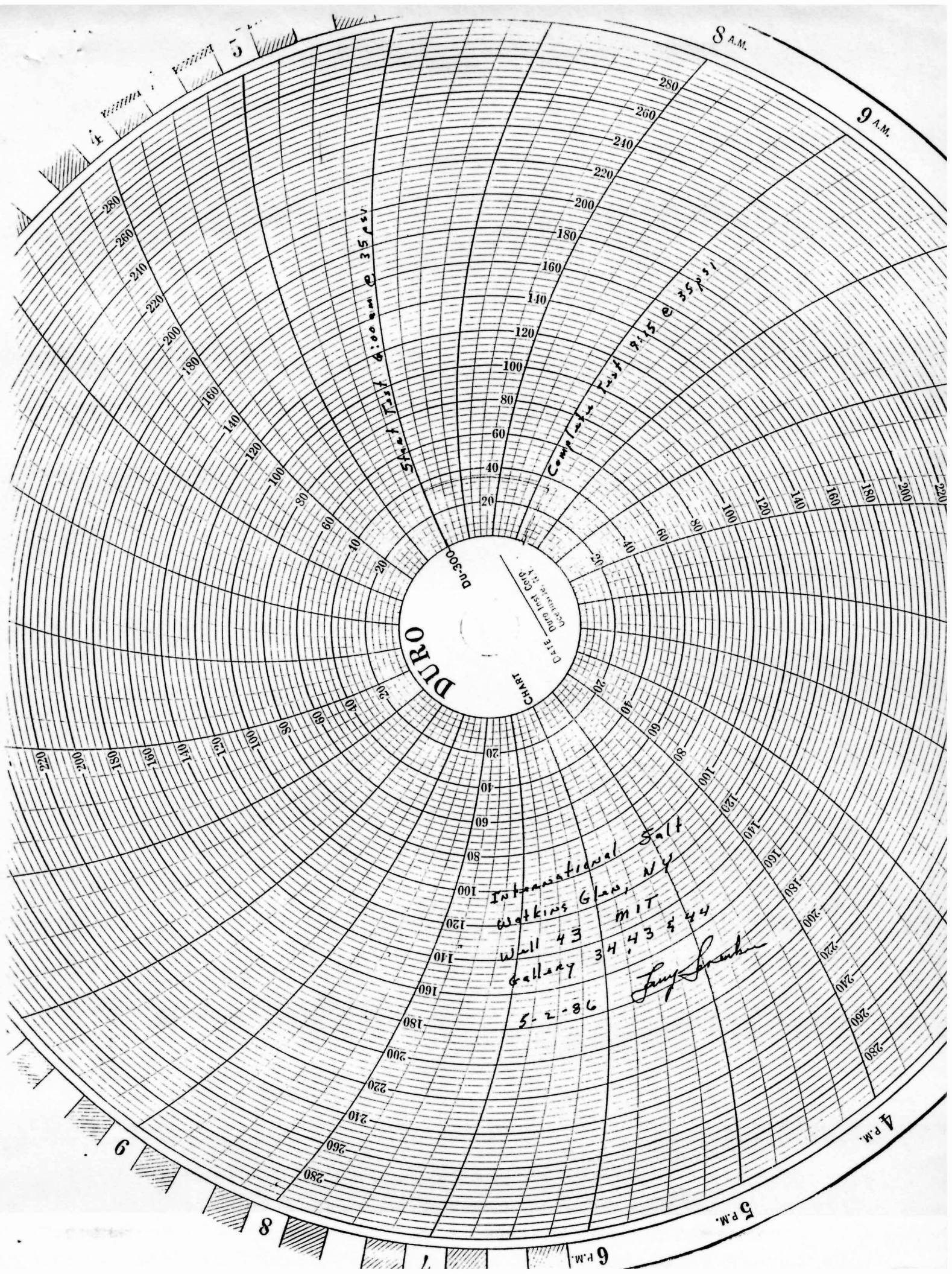
<b>Time</b>	<b>Dead Wt Tester psi</b>	<b>Pressure Gauge psi</b>	<b>Pressure Recorder psi</b>	<b>Remarks</b>
5:45 AM				Connect Gauges
6:00	35	35	35	Start Test
7:00	35	35	35	
7:30	35	35	35	
8:00	35	35	35	
9:25 AM	35	35	35	Complete Test
Change	0 psi	0 psi	0 psi	

**Test Results: Well 43 was the test well in the #3 & #4 galleries  
consisting of 4 wells. The cavity system tested  
with 0 psi change during the 3.5 hour pressure test.**

**Test Conducted by:**

**Larry Sevenker  
Consulting Engineer**

**Date: 5-2-86**



DURO

CHART

Duro Test Core  
Duro Test Core

International Salt  
Watkins Glen, NY  
Wall 43 MIT  
Gallery 34, 43 & 44  
5-2-86

*Lump Sum*

Start Test 6:00 am @ 35 psi

Complete Test 9:15 @ 35 psi